

**ENGINEERING PROPERTIES AND MICROSTRUCTURE
OF BRICKWORK UNDER AGGRESSIVE ENVIRONMENT**

by

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With the name of Allah and His messenger Prophet Muhammad s.a.w.

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TABLES OF CONTENTS

	Page
Acknowledgement	ii
Table of Contents	iii
List of Tables	x
List of Figures	xiv
List of Plates	xxiii
List of Symbols	xxiv
Abstrak	xxv
Abstract	xxvi
 CHAPTER 1: INTRODUCTION	
1.1 General	1
1.2 Problem Statement	3
1.3 Objectives	5
1.4 Scope of the Study	6
1.5 Masonry Materials	7
1.5.1 Fired Clay Brick	8
1.5.2 Calcium Silicate Brick	10
1.5.3 Mortar	11
1.6 Definition of Terms	12
1.6.1 Durability	12
1.6.2 Evaporation Process	13
1.6.3 Efflorescence	13
1.6.4 Moisture Movement	14

1.6.4.1 Expansion	14
1.6.4.2 Shrinkage	15
1.6.5 Compressive Strength	15
1.6.6 Modulus of Elasticity	15

CHAPTER 2: LITERATURE REVIEW

2.1 Introduction	17
2.2 Salt Attack in Masonry Material	17
2.3 Factors Affecting the Salt Attack in Masonry Structure	20
2.3.1 Soluble Salt	21
2.3.2 Microstructure	23
2.3.3 Mortar Mixes	25
2.3.4 Moisture	26
2.3.5 Temperature and Humidity	27
2.4 Mechanism of Salt Attack in Masonry Wall	29
2.4.1 Salt Crystallization	30
2.4.2 Chloride Attack	33
2.4.3 Sulphate Attack	36
2.5 Strength of Masonry Wall	39
2.5.1 Factor Affecting the Strength of Masonry Wall	40
2.5.1.1 Interaction Between Brick and Mortar	40
2.5.1.2 Geometry of Unit	43
2.5.1.3 Strength of Unit	44
2.5.1.4 Strength of Mortar	46
2.5.1.5 Suction of Units	48

2.5.1.6	Water Retentivity of Mortar	49
2.5.1.7	Joint Thickness	50
2.5.1.8	Loading Rate Applied for Strength	52
2.5.1.9	Other Factors	53
2.6	Movement of Brick Masonry Wall	56
2.6.1	Elastic Movement	57
2.6.1.1	Brick Units	58
2.6.1.2	Mortar	58
2.6.1.3	Masonry Structures	61
2.6.1.3.1	Factors Affecting Elastic Movement of Brickwork	63
2.6.2	Moisture Movement	64
2.6.2.1	Moisture Expansion of Fired-clay Brick and Brickwork	65
2.6.2.1.1	Factors Affecting the Moisture Expansion of Fired-clay Brick and Brickwork	67
2.6.2.2	Shrinkage of Calcium Silicate Brick and Brickwork	70
2.6.2.2.1	Factors Affecting the Shrinkage of Calcium Silicate Brick and Brickwork	71
2.6.2.3	Moisture Movement of Mortar	72
2.6.2.3.1	Factors Affecting the Moisture Movement of Mortar	74
2.7	Prediction Methods for Deformation of Masonry	75
2.8.1	Methods of Predicting Elasticity	76
2.8.2	Method of Predicting Moisture Movement	84
2.8	Summary	85

CHAPTER 3: MATERIALS AND EXPERIMENTAL DETAILS

3.1	Introduction	89
3.2	Materials	91
3.2.1	Brick Units	91
3.2.1.1	Clay Brick	91
3.2.1.2	Calcium Silicate Bricks	91
3.2.2	Mortar	92
3.3	Tests for Material Properties	96
3.3.1	Porosity	96
3.3.2	Water Absorption	97
3.3.3	Suction Rate	98
3.3.4	Compressive Strength and Modulus Elasticity	98
3.4	Moisture Movement	107
3.5	Test for Microstructural Properties	112
3.5.1	X-Ray Fluorescence (XRF)	112
3.5.2	Scanning Electron Microscope (SEM)	114
3.5.3	X-Ray Diffraction (XRD)	115
3.6	Brickwork Construction	116
3.6.1	Composite Modeling	120
3.7	Strength and Stress-Strain Measurement	120
3.8	Preliminary Work	121
3.8.1	Salt Solution Preparation	121
3.8.2	Sealing of Units and Mortar Specimens	122
3.9	Environmental and Curing Conditions	123

CHAPTER 4: EFFECT OF SULPHATE AND CHLORIDE ON THE PROPERTIES OF MASONRY WALL

4.1	Introduction	127
4.2	Properties of mortar	127
4.2.1	Compressive strength	127
4.2.2	Modulus of elasticity	132
4.2.2.1	Elasticity – strength relationship of mortar	136
4.2.3	Moisture movement of mortar	137
4.3	Properties of brick unit	147
4.3.1	Porosity and water absorption	147
4.3.2	Suction rate	148
4.3.3	Strength of unit	148
4.3.4	Modulus of elasticity of unit	155
4.3.4.1	Elasticity – strength relationship of unit	157
4.3.5	Moisture movement of unit	160
4.4	Properties of brickwork	170
4.4.1	Strength	170
4.4.2	Modulus of elasticity	174
4.4.2.1	Elasticity-strength relationship of brickwork	181
4.4.2.2	Reduction in modulus of elasticity of brickwork	183
4.4.3	Moisture movement of masonry	185
4.5	Rating in moisture movement of masonry wall	210
4.6	Composite modeling	214
4.7	Summary	215

CHAPTER 5: PREDICTION OF MODULUS OF ELASTICITY AND MOISTURE MOVEMENT OF MASONRY WALL

5.1	Introduction	217
5.2	Modulus of Elasticity	217
5.2.1	Prediction by Codes of Practice	217
5.2.1.1	BS 5628: Part 2: 2005	218
5.2.1.2	Eurocode 6, ENV 1996: 2001	219
5.2.1.3	ACI 530-92/ASCE 5-92 (1996)	220
5.2.2	Prediction by previous researchers	222
5.2.2.1	Brook's method	222
5.2.2.2	Ameny et. al's method	223
5.2.2.3	Lenczner's method	224
5.2.2.4	Sahlin's method	225
5.2.2.5	Other methods of prediction	225
5.3	Moisture movement	233
5.3.1	Prediction by code of practices	233
5.3.1.1	BS 5628: Part 2 (2005)	233
5.3.1.2	ACI 530-92/ASCE 5-92 (1996)	234
5.3.1.3	Eurocode No. 6, ENV 1996-1-1 (2001)	235
5.4	Summary	241

CHAPTER 6: EFFECT OF SALT ATTACK ON BRICK MASONRY

6.1	Introduction	
6.2	Chemical composition of brick and mortar	242
6.3	Crystallization of masonry materials	242

6.3.1	Fired clay brick	244
6.3.2	Calcium silicate brick	245
6.3.3	Mortar	254
6.4	Compositions and characteristics of masonry materials	260
6.4.1	Fired clay brick	271
6.4.2	Calcium silicate brick	271
6.4.3	Mortar	281
6.4	Summary	290
		300

CHAPTER 7 – CONCLUSIONS AND RECOMMENDATIONS

7.1	Introduction	302
7.2	Conclusions	302
7.3	Recommendations	308

REFERENCES

310

APPENDIX A	Calculation for dimension 'x' single leaf wall and weight of soluble salt solution	326
APPENDIX B	Plates of mortar prism	328
APPENDIX C	Plates of brick masonry wall	331

LIST OF TABLES

	Page
Table 1.1 Chemical composition (wt%) of the four fired clay bricks types	9
Table 1.2 Chemical composition of the mortar (wt%)	12
Table 2.1 Category limits for active water soluble salts	22
Table 2.2 Weight loss and porosity of limestone after salt crystallization test	29
Table 2.3 Crystallization Pressure	33
Table 2.4 Summary of strength reduction and expansion test results	36
Table 2.5 The strength of bricks and prism in different directions	44
Table 2.6 Loading rate	53
Table 2.7 Brickwork prism result for slow and standard loading rate	53
Table 2.8 Masonry mortar	60
Table 2.9 Design values of initial elastic moduli of brickwork	61
Table 2.10 Expansion of fired-clay brick due to change in moisture content	68
Table 2.11 Moisture expansion of fired-clay brickwork	68
Table 2.12 Moisture movement of concrete and calcium silicate masonry units	71
Table 2.13 Shrinkage of mortar due to change in moisture content	73
Table 2.14 Typical fine aggregate gradation	75
Table 2.15 Typical average specific gravity and absorptivity for fine aggregate	75
Table 2.16 Characteristic compressive strength of masonry	78
Table 2.17 Elastic modulus of clay masonry	79
Table 3.1 The number of brick specimens for strength and modulus of elasticity test	102

Table 3.2	The number of mortar cube and mortar prism specimens for strength and modulus of elasticity test	104
Table 3.3	The number of brickwork specimens for strength and modulus of elasticity test	106
Table 3.4	The number of brick specimens for moisture movement test	110
Table 3.5	The number of mortar prism specimens for moisture movement test	110
Table 3.6	The number of brickwork specimens for moisture movement test	112
Table 3.7	The number of specimens prepared for all testing	119
Table 3.8	Volume-Surface area of single leaf wall masonry	123
Table 3.9	Sealing of unbonded brick unit and mortar specimens	123
Table 4.1	Compressive strength of mortar cube for fired-clay brickwork under water curing	128
Table 4.2	Compressive strength of mortar cube for calcium silicate brickwork under water curing	129
Table 4.3	Compressive strength of partly sealed unbonded mortar prisms for fired-clay brickwork	130
Table 4.4	Compressive strength of partly sealed unbonded mortar prisms for calcium silicate brickwork	130
Table 4.5	Modulus of elasticity of partly sealed unbonded mortar prisms for fired-clay brickwork	134
Table 4.6	Modulus of elasticity of partly sealed mortar prisms for calcium silicate brickwork	134
Table 4.7	Moisture movement of partly sealed mortar prisms for fired-clay brickwork	139
Table 4.8	Moisture movement of partly sealed mortar prisms for calcium silicate brickwork	139
Table 4.9	Initial rate of suction, water absorption and porosity of brick	148
Table 4.10	Compressive strength of unsealed brick units	150

Table 4.11	Compressive strength of partly sealed fired-clay brick units	150
Table 4.12	Compressive strength of partly sealed calcium silicate brick units	151
Table 4.13	Modulus of elasticity of unsealed brick units	156
Table 4.14	Modulus of elasticity of fired-clay brick units	157
Table 4.15	Modulus of elasticity of calcium silicate brick units	158
Table 4.16	Moisture movement of partly sealed fired-clay and calcium silicate brick units at 210 days	161
Table 4.17	Compressive strength of fired-clay brickwork	170
Table 4.18	Compressive strength of calcium silicate brickwork	171
Table 4.19	Compressive strength of masonry wall panel with different thickness of mortar joint	172
Table 4.20	Modulus of elasticity of fired-clay brickwork panels	175
Table 4.21	Modulus of elasticity of calcium silicate brickwork panels	176
Table 4.22	Modulus of elasticity of masonry wall panel with different thickness of mortar joint	176
Table 4.23	Moisture movement of fired-clay brick masonry wall panel	186
Table 4.24	Moisture movement of calcium silicate brick masonry wall panel	187
Table 4.25	The rating and justification of moisture movement of fired-clay masonry wall exposed to aggressive environment	211
Table 4.26	The rating and justification of moisture movement of calcium silicate masonry wall exposed to aggressive environment	212
Table 5.1	Modulus of elasticity of fired-clay brickwork predicted by Code of Practice	221
Table 5.2	Modulus of elasticity of calcium silicate brickwork predicted by Code of Practice	221
Table 5.3	Modulus of elasticity of fired-clay and calcium silicate brickwork under control condition over 180 days predicted by previous researchers	228

Table 5.4	Modulus of elasticity of fired-clay and calcium silicate brickwork under sulphate condition over 180 days predicted by previous researchers	229
Table 5.5	Modulus of elasticity of fired-clay and calcium silicate brickwork under chloride condition over 180 days predicted by previous researchers	230
Table 5.6	Modulus of elasticity of fired-clay and calcium silicate brickwork under combination of sulphate and chloride condition over 180 days predicted by previous researchers	231
Table 5.7	Comparison of error coefficient between the measured and predicted modulus of elasticity of fired-clay masonry by code of practice and other methods of prediction	232
Table 5.8	Comparison of error coefficient between the measured and predicted modulus of elasticity of fired-clay masonry by code of practice and other methods of prediction	232
Table 5.9	Moisture movement of control specimens of fired-clay and calcium silicate brickwork	237
Table 5.10	Moisture movement of fired-clay and calcium silicate brickwork exposed to sodium sulphate solution	238
Table 5.11	Moisture movement of fired-clay and calcium silicate brickwork exposed to sodium chloride solution	239
Table 5.12	Moisture movement of fired-clay and calcium silicate brickwork exposed to sodium sulphate-sodium chloride solution	240
Table 6.1	Chemical compositions of fired-clay brick, calcium silicate brick and cement lime mortar	244
Table 6.2	The peak of halite and thenardite within fired-clay and calcium silicate brick	248
Table 6.3	The peak of halite and ettringite within mortar for fired-clay and calcium silicate brickwork	249
Table 6.4	Percentage of atom for elements in fired-clay brick	280
Table 6.5	Percentage of atom for elements in calcium silicate brick	289
Table 6.6	Percentage of atom for elements in mortar	299
Table 6.7	The crystal shape within mortar joint after exposed to different types and concentration of soluble salts	300

LIST OF FIGURES

		Page
Figure 1.1	Moisture movement of unloaded specimen	14
Figure 1.2	Modulus of elasticity for masonry	16
Figure 2.1	Water absorption process in masonry exposed to water spray	24
Figure 2.2	Mechanism of sodium sulphate attack	37
Figure 2.3	Restraining effect of the testing machine platens	45
Figure 2.4	Effect of joint thickness on brickwork strength	51
Figure 2.5	Effect of moisture absorption from mortar bed movement of bricks after laying results in pillow shaped mortar bed	55
Figure 2.6	Stress-strain behavior of masonry	63
Figure 2.7	Composite model layout for vertical elasticity of masonry	80
Figure 3.1	Flow chart for testing program	90
Figure 3.2	Sieve analysis result for sand	95
Figure 3.3	The measurement of modulus of elasticity using tangent method	100
Figure 3.4	Partially sealed brick unit	109
Figure 3.5	Partially sealed mortar prism	109
Figure 3.6	Single leaf wall (1.5 unit wide x 5 unit height)	111
Figure 3.7	1 unit wide x 5 unit height masonry prism	112
Figure 3.8	History of test laboratory temperature with time	125
Figure 3.9	History of test laboratory humidity with time	126
Figure 4.1	Relationship between the modulus of elasticity and strength of mortar prism	136
Figure 4.2	Moisture movement of control fired-clay brickwork mortar prism	138

Figure 4.3	Moisture movement of control calcium silicate brickwork mortar prism	138
Figure 4.4	Moisture movement of fired-clay brickwork mortar prism exposed to different concentration of sodium sulphate	140
Figure 4.5	Moisture movement of calcium silicate brickwork mortar prism exposed to different concentration of sodium sulphate	141
Figure 4.6	Moisture movement of fired-clay brickwork mortar prism exposed to different concentration of sodium chloride	142
Figure 4.7	Moisture movement of calcium silicate brickwork mortar prism exposed to different concentration of sodium chloride	143
Figure 4.8	Moisture movement of fired-clay brickwork mortar prism exposed to different concentration of sodium sulphate-sodium chloride solutions	143
Figure 4.9	Moisture movement of calcium silicate brickwork mortar prism exposed to different concentration of sodium sulphate-sodium chloride	144
Figure 4.10	Comparison of moisture movement of fired-clay brickwork mortar exposed to 5% concentration of soluble salt	144
Figure 4.11	Comparison of moisture movement of calcium silicate brickwork mortar exposed to 5% concentration of soluble salt	145
Figure 4.12	Comparison of moisture movement of fired-clay brickwork mortar exposed to 10% concentration of soluble salt	145
Figure 4.13	Comparison of moisture movement of calcium silicate brickwork mortar exposed to 10% concentration of soluble salt	146
Figure 4.14	Comparison of moisture movement of fired clay brickwork mortar exposed to 15% concentration of soluble salt	146
Figure 4.15	Comparison of moisture movement of calcium silicate brickwork mortar exposed to 15% concentration of soluble salt	147
Figure 4.16	Relationship between the modulus of elasticity and strength of fired clay brick units	159

Figure 4.17	Relationship between the modulus of elasticity and strength of calcium silicate brick units	159
Figure 4.18	Moisture movement of control fired clay brick units	163
Figure 4.19	Moisture movement of fired clay brick units exposed to different concentration of sodium sulphate	163
Figure 4.20	Moisture movement of fired clay brick units exposed to different concentration of sodium chloride	164
Figure 4.21	Moisture movement of fired clay brick units exposed to different concentration of sodium sulphate-sodium chloride	164
Figure 4.22	Moisture movement of control calcium silicate brick units	165
Figure 4.23	Moisture movement of calcium silicate brick units exposed to different concentration of sodium sulphate	165
Figure 4.24	Moisture movement of calcium silicate brick units exposed to different concentration of sodium chloride	166
Figure 4.25	Moisture movement of calcium silicate brick units exposed to different concentration of sodium sulphate-sodium chloride	166
Figure 4.26	Comparison of moisture movement of fired-clay brick exposed to 5% concentration of soluble salt	167
Figure 4.27	Comparison of moisture movement of fired-clay brick exposed to 10% concentration of soluble salt	167
Figure 4.28	Comparison of moisture movement of fired-clay brick exposed to 15% concentration of soluble salt	168
Figure 4.29	Comparison of moisture movement of calcium silicate brick exposed to 5% concentration of soluble salt	168
Figure 4.30	Comparison of moisture movement of calcium silicate brick exposed to 10% concentration of soluble salt	169
Figure 4.31	Comparison of moisture movement of calcium silicate brick exposed to 15% concentration of soluble salt	169
Figure 4.32	Relationship between modulus of elasticity of fired-clay brickworks and fired-clay brick units	179
Figure 4.33	Relationship between modulus of elasticity of calcium silicate brickwork and calcium silicate brick unit	179

Figure 4.34	Relationship between the modulus of elasticity of fired-clay brickwork and mortar prism	180
Figure 4.35	Relationship between the modulus of elasticity of calcium silicate brickwork and mortar prism	180
Figure 4.36	Relationship between the modulus of elasticity and strength of fired-clay brickwork	182
Figure 4.37	Relationship between the modulus of elasticity and strength of calcium silicate brickwork	182
Figure 4.38	Reduction in modulus of elasticity of calcium silicate brickwork at the age of 180 day	184
Figure 4.39	Reduction in modulus of elasticity of fired-clay brickwork at the age of 180 day	185
Figure 4.40	The attraction of fired-clay brick masonry wall panels due to the expansion of mortar joints under sulphate environment	190
Figure 4.41(a)	Vertical moisture movement of control fired-clay brickwork	194
Figure 4.41(b)	Horizontal moisture movement of control fired-clay brickwork	195
Figure 4.42(a)	Vertical moisture movement of fired-clay brickwork exposed to different concentration of sodium sulphate	195
Figure 4.42(b)	Horizontal moisture movement of fired clay brickwork exposed to different concentration of sodium sulphate	196
Figure 4.43(a)	Vertical moisture movement of fired clay brickwork exposed to different concentration of sodium chloride	196
Figure 4.43(b)	Horizontal moisture movement of fired clay brickwork exposed to different concentration of sodium chloride	197
Figure 4.44(a)	Vertical moisture movement of fired clay brickwork exposed to different concentration of sodium sulphate-sodium chloride	197
Figure 4.44(b)	Horizontal moisture movement of fired clay brickwork exposed to different concentration of sodium sulphate-sodium chloride	198
Figure 4.45(a)	Vertical moisture movement of control calcium silicate brickwork	198

Figure 4.45(b)	Horizontal moisture movement of control calcium silicate brickwork	199
Figure 4.46(a)	Vertical moisture movement of calcium silicate brickwork exposed to different concentration of sodium sulphate	199
Figure 4.46(b)	Horizontal moisture movement of calcium silicate brickwork exposed to different concentration of sodium sulphate	200
Figure 4.47(a)	Vertical moisture movement of calcium silicate brickwork exposed to different concentration of sodium chloride	200
Figure 4.47(b)	Horizontal moisture movement of calcium silicate brickwork exposed to different concentration of sodium chloride	201
Figure 4.48(a)	Vertical moisture movement of calcium silicate brickwork exposed to different concentration of sodium sulphate-sodium chloride	201
Figure 4.48(b)	Horizontal moisture movement of calcium silicate brickwork exposed to different concentration of sodium sulphate-sodium chloride	202
Figure 4.49(a)	Comparison of vertical moisture movement of fired-clay brickwork exposed to 5% concentration of soluble salt	202
Figure 4.49(b)	Comparison of horizontal moisture movement of fired-clay brickwork exposed to 5% concentration of soluble salt	203
Figure 4.50(a)	Comparison of vertical moisture movement of fired-clay brickwork exposed to 10% concentration of soluble salt	203
Figure 4.50(b)	Comparison of horizontal moisture movement of fired-clay brickwork exposed to 10% concentration of soluble salt	204
Figure 4.51(a)	Comparison of vertical moisture movement of fired-clay brickwork exposed to 15% concentration of soluble salt	204
Figure 4.51(b)	Comparison of horizontal moisture movement of fired-clay brickwork exposed to 15% concentration of soluble salt	205
Figure 4.52(a)	Comparison of vertical moisture movement of calcium silicate brickwork exposed to 5% concentration of soluble salt	205
Figure 4.52(b)	Comparison of horizontal moisture movement of calcium silicate brickwork exposed to 5% concentration of soluble salt	206

Figure 4.53(a)	Comparison of vertical moisture movement of calcium silicate brickwork exposed to 10% concentration of soluble salt	206
Figure 4.53(b)	Comparison of horizontal moisture movement of calcium silicate brickwork exposed to 10% concentration of soluble salt	207
Figure 4.54(a)	Comparison of vertical moisture movement of calcium silicate brickwork exposed to 15% concentration of soluble salt	207
Figure 4.54(b)	Comparison of horizontal moisture movement of calcium silicate brickwork exposed to 15% concentration of soluble salt	208
Figure 4.55	Moisture movement of fired-clay masonry prism with different thickness of mortar joint exposed to 5% concentration of sodium sulphate	208
Figure 4.56	Moisture movement of calcium silicate masonry prism with different thickness of mortar joint exposed to 5% concentration of sodium sulphate	209
Figure 4.57	Relationship between degree of expansion and the reduction in modulus of elasticity of fired-clay masonry wall	209
Figure 4.58	Relationship between degree of expansion and the reduction in modulus of elasticity of calcium silicate masonry wall	210
Figure 4.59	The classification of moisture movement of fired-clay masonry wall due to aggressive environment	211
Figure 4.60	The classification of moisture movement of calcium silicate masonry wall due to aggressive environment	212
Figure 6.1	X-ray diffraction analysis for fired-clay brick under control conditions	250
Figure 6.2	X-ray diffraction analysis for fired-clay brick exposed to sodium sulphate solutions	251
Figure 6.3	X-ray diffraction analysis for fired-clay brick exposed to sodium chloride solution	252
Figure 6.4	X-ray diffraction analysis for fired-clay brick exposed to sodium sulphate-sodium chloride solutions	253

Figure 6.5	X-ray diffraction analysis for control calcium silicate brick	256
Figure 6.6	X-ray diffraction analysis for calcium silicate brick exposed to sodium sulphate solutions	257
Figure 6.7	X-ray diffraction analysis for calcium silicate brick exposed to sodium chloride solutions	258
Figure 6.8	X-ray diffraction analysis for calcium silicate brick exposed to sodium sulphate-sodium chloride solutions	259
Figure 6.9	X-ray diffraction analysis for control fired-clay brickwork mortar	263
Figure 6.10	X-ray diffraction analysis for control calcium silicate brickwork mortar	264
Figure 6.11	X-ray diffraction analysis for fired-clay brickwork mortar exposed to sodium sulphate solutions	265
Figure 6.12	X-ray diffraction analysis for calcium silicate brickwork mortar exposed to sodium sulphate solution	266
Figure 6.13	X-ray diffraction analysis for fired-clay brickwork mortar exposed to sodium chloride solutions	267
Figure 6.14	X-ray diffraction analysis for calcium silicate brickwork mortar exposed to sodium chloride conditions	268
Figure 6.15	X-ray diffraction analysis for fired clay brickwork mortar exposed to sodium sulphate-sodium chloride solutions	269
Figure 6.16	X-ray diffraction analysis for calcium silicate brickwork mortar exposed to sodium sulphate-sodium chloride solutions	270
Figure 6.17	SEM micrograph of fired-clay brick exposed dry condition	272
Figure 6.18	SEM micrograph of fired-clay brick sample exposed to wet condition	273
Figure 6.19	SEM micrograph of 5% concentration of sodium chloride crystals in fired-clay brick	274
Figure 6.20	SEM micrograph of 10% concentration of sodium chloride crystals in fired-clay brick	274
Figure 6.21	SEM micrograph of 15% concentration of sodium chloride crystals in fired-clay brick	275

Figure 6.22	SEM micrograph of 5% concentration of sodium sulphate crystals in fired-clay brick	276
Figure 6.23	SEM micrograph of 10% concentration sodium sulphate crystals in fired-clay brick	277
Figure 6.24	SEM micrograph of 15% concentration sodium sulphate crystals in fired-clay brick	277
Figure 6.25	SEM micrograph of 5% concentration of sodium sulphate – sodium chloride crystals in fired-clay brick	278
Figure 6.26	SEM micrograph of 10% concentration of sodium sulphate –sodium chloride crystals in fired-clay brick	279
Figure 6.27	SEM micrograph of 15% concentration of sodium sulphate–sodium chloride crystals in fired-clay brick	279
Figure 6.28	SEM micrograph of calcium silicate brick sample exposed to dry condition	281
Figure 6.29	SEM micrograph of calcium silicate brick sample exposed to wet condition	282
Figure 6.30	SEM micrograph of 5% concentration of sodium chloride crystals in calcium silicate brick	283
Figure 6.31	SEM micrograph of 10% concentration of sodium chloride crystals in calcium silicate brick	283
Figure 6.32	SEM micrograph of 15% concentration of sodium chloride crystals in calcium silicate brick	284
Figure 6.33	SEM micrograph of 5% concentration of sodium sulphate crystals in calcium silicate brick	285
Figure 6.34	SEM micrograph of 10% concentration sodium sulphate crystals in calcium silicate brick	285
Figure 6.35	SEM micrograph of 15% concentration of sodium sulphate crystals in calcium silicate brick	286
Figure 6.36	SEM micrograph of 5% concentration of sulphate-chloride crystals in calcium silicate brick	287
Figure 6.37	SEM micrograph of 10% concentration of sodium sulphate-sodium chloride crystals in calcium silicate brick	287
Figure 6.38	SEM micrograph of 15% concentration of sodium sulphate-sodium chloride crystals in calcium silicate brick	288

Figure 6.39	SEM micrograph for mortar sample exposed to dry condition	291
Figure 6.40	SEM micrograph for mortar sample exposed to wet condition	291
Figure 6.41	SEM micrograph for mortar sample exposed to 5% concentration of sodium chloride	292
Figure 6.42	SEM micrograph for mortar sample exposed to 10% concentration of sodium chloride	292
Figure 6.43	SEM micrograph for mortar sample exposed to 15% concentration of sodium chloride	293
Figure 6.44	SEM micrograph for mortar sample exposed to 5% concentration of sodium sulphate	294
Figure 6.45	SEM micrograph for mortar sample exposed to 10% concentration of sodium sulphate	295
Figure 6.46	SEM micrograph for mortar sample exposed to 15% concentration of sodium sulphate	295
Figure 6.47	SEM micrograph for mortar sample exposed to 5% concentration of sodium sulphate–sodium chloride	297
Figure 6.48	SEM micrograph for mortar sample exposed to 10% concentration of sodium sulphate–sodium chloride	297
Figure 6.49	SEM micrograph for mortar sample exposed to 15% concentration of sodium sulphate–sodium chloride	298

LIST OF PLATES

	Page
Plate 3.1 Fired clay brick	91
Plate 3.2 Calcium silicate brick	92
Plate 3.3 Dropping ball test equipment for controlling mortar workability	94
Plate 3.4 Porosity test equipment using water immersion under vacuum method	97
Plate 3.5 1000 kN capacity universal testing machine	101
Plate 3.6 3000 kN capacity universal testing machine	103
Plate 3.7 Brickwork in curing condition under polythene sheet in control room	107
Plate 3.8 Demec gauge equipment	108
Plate 3.9 Sample for x-ray fluorescence test	113
Plate 3.10 Mould for sample preparation in x-ray fluorescence test	114
Plate 3.11 Fired-clay brickwork in control room	117
Plate 3.12 Calcium silicate brickwork in control room	117
Plate 3.13 Calcium silicate brickwork with different mortar thickness (1 unit wide x 5 unit height)	118
Plate 3.14 Fired clay brickwork with different mortar thickness (1 unit wide x 5 unit height)	118
Plate 3.15 Sealing mortar prism, calcium silicate brick and fired clay brick	122
Plate 4.1 Failure pattern of unsealed calcium silicate brick	153
Plate 4.2 Failure pattern of partly sealed calcium silicate brick	153
Plate 4.3 Failure pattern of unsealed fired clay brick	154
Plate 4.4 Failure pattern of partly sealed fired clay brick	154

LIST OF SYMBOLS

D_v	Pore size distributiom
r_i	Pore size
P_{conc}	Connected porosity
P	Pressure generated by a growing crystal in atmosphere
C	The saturation concentration in the pore
C_s	The saturation concentration in bulk solution
V_c	The molar volume of solid salt ($m^3 \cdot mol^{-1}$)
R	The molar gas constant ($8.3 J \cdot K^{-1} mol^{-1}$)
T	Absolute temperature
E_m	Elastic modulus of masonry
f_k	Characteristic compressive strength of masonry
E	Modulus of elasticity of masonry
f_b	Mean compressive strength of unit
f_m	Compressive strength of mortar
b_y	Depth of brick unit
C	Number of course
H	Height of masonry
A_w	Cross-sectional area of masonry
$W_{x, z}$	Lateral dimensional of masonry
A_b	Total cross-sectional area of unit
$b_{x, z}$	Total lateral dimension of unit

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